# PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| Applicant's or agent's file reference                                                |                                                                                                      | of Transmittal of International Search Report<br>(20) as well as, where applicable, item 5 below. |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| SC00097W000                                                                          | ACTION (FORM PC1/ISAV2                                                                               | 220) as well as, where applicable, item 5 below.                                                  |
| International application No.                                                        | International filing date (day/month/year)                                                           | (Earliest) Priority Date (day/month/year)                                                         |
| PCT/JP 01/00136                                                                      | 12/01/2001                                                                                           | 14/01/2000                                                                                        |
| Applicant                                                                            |                                                                                                      | ·                                                                                                 |
| SONY COMPUTER ENTERTAINME                                                            | NT INC.                                                                                              |                                                                                                   |
| -                                                                                    |                                                                                                      | -                                                                                                 |
| This International Search Report has bee according to Article 18. A copy is being to | n prepared by this International Searching Aut ansmitted to the International Bureau.                | hority and is transmitted to the applicant                                                        |
| This International Search Report consists                                            | s of a total of 3 sheets.                                                                            |                                                                                                   |
| I                                                                                    | a copy of each prior art document cited in this                                                      | s report.                                                                                         |
|                                                                                      |                                                                                                      |                                                                                                   |
| Basis of the report     With regard to the language, the                             | international search was carried out on the ba                                                       | sis of the international application in the                                                       |
|                                                                                      | lless otherwise indicated under this item.                                                           |                                                                                                   |
| the international search v<br>Authority (Rule 23.1(b)).                              | vas carried out on the basis of a translation of t                                                   | the international application furnished to this                                                   |
| b. With regard to any <b>nucleotide ar</b> was carried out on the basis of th        |                                                                                                      | nternational application, the international search                                                |
|                                                                                      | onal application in written form.                                                                    |                                                                                                   |
| filed together with the inte                                                         | ernational application in computer readable for                                                      | m.                                                                                                |
| furnished subsequently to                                                            | o this Authority in written form.                                                                    |                                                                                                   |
| 1                                                                                    | o this Authority in computer readble form.                                                           |                                                                                                   |
| international application a                                                          | bsequently furnished written sequence listing of as filed has been furnished.                        |                                                                                                   |
| the statement that the inf furnished                                                 | ormation recorded in computer readable form i                                                        | is identical to the written sequence listing has been                                             |
| 2. Certain claims were fou                                                           | und unsearchable (See Box I).                                                                        | •                                                                                                 |
| 3. Unity of invention is lac                                                         |                                                                                                      |                                                                                                   |
| _                                                                                    | •                                                                                                    |                                                                                                   |
| 4. With regard to the <b>title</b> ,                                                 |                                                                                                      |                                                                                                   |
| the text is approved as si                                                           | ubmitted by the applicant.                                                                           |                                                                                                   |
| the text has been established                                                        | shed by this Authority to read as follows:                                                           |                                                                                                   |
| ·                                                                                    |                                                                                                      |                                                                                                   |
|                                                                                      |                                                                                                      |                                                                                                   |
| 5. With regard to the abstract,                                                      |                                                                                                      |                                                                                                   |
|                                                                                      | ubmitted by the applicant.                                                                           |                                                                                                   |
| the text has been established                                                        | shed, according to Rule 38.2(b), by this Author<br>e date of mailing of this international search re | ity as it appears in Box III. The applicant may, port, submit comments to this Authority.         |
| 6. The figure of the drawings to be pub                                              | lished with the abstract is Figure No.                                                               |                                                                                                   |
| as suggested by the app                                                              | licant.                                                                                              | None of the figures.                                                                              |
| because the applicant fai                                                            | iled to suggest a figure.                                                                            |                                                                                                   |
| because this figure better                                                           | r characterizes the invention.                                                                       |                                                                                                   |

#### INTERNATIONAL SEARCH REPORT

International Application No PCT/JP 01/00136

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F3/033

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  $IPC \ 7 \ G06F \ G06K$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No.                              |
|------------|------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>A</b>   | US 5 184 120 A (SCHULTZ CHARLES P) 2 February 1993 (1993-02-02) the whole document | 1-5,8,9,<br>12,17,<br>18,21,<br>22,24,<br>30,34-36 |
| <b>A</b>   | EP 0 922 431 A (SEIKO EPSON CORP)<br>16 June 1999 (1999-06-16)                     | 1-5,8,9,<br>12,17,<br>18,21,<br>22,24,<br>30,34-36 |
|            | abstract<br>column 4, line 5 - line 21<br>column 16, line 37 - line 50             | · .                                                |
|            | -/                                                                                 |                                                    |
|            |                                                                                    | ·                                                  |
|            |                                                                                    | •                                                  |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| X Further documents are listed in the continuation of box C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Patent family members are listed in annex.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul> | <ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul> |
| Date of the actual completion of the international search  5 September 2001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Date of mailing of the international search report  12/09/2001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,  Fax: (+31–70) 340–3016                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Authorized officer  Davenport, K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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International Application No
PCT/JP 01/00136

| C.(Continua | ation) DOCUMENTS CONSIDERED TO BE RELEVANT                                         |    |                                                    |
|-------------|------------------------------------------------------------------------------------|----|----------------------------------------------------|
| Category °  | Citation of document, with indication, where appropriate, of the relevant passages |    | Relevant to claim No.                              |
| A           | GB 2 197 957 A (MOTOROLA LTD)<br>2 June 1988 (1988-06-02)                          |    | 1-5,8,9,<br>12,17,<br>18,21,<br>22,24,<br>30,34-36 |
| ,           | abstract                                                                           |    |                                                    |
| Ą           | FR 2 549 954 A (TARLOWSKI MICHEL)<br>1 February 1985 (1985-02-01)                  |    | 1,2,4,8,<br>12,17,<br>21,24,<br>30,34-36           |
|             | the whole document                                                                 | •  |                                                    |
|             |                                                                                    | ٠. | ·                                                  |
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Information on patent family members

International Application No
PCT/JP 01/00136

| Patent document<br>cited in search repor | t · | Publication date | Patent family member(s)                                                      | Publication date                                                   |
|------------------------------------------|-----|------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------|
| US 5184120                               | Α   | 02-02-1993       | NONE                                                                         |                                                                    |
| EP 0922431                               | Α   | 16-06-1999       | JP 10155754 A<br>US 6162185 A<br>CN 1226811 T<br>WO 9843538 A<br>TW 388705 B | 16-06-1998<br>19-12-2000<br>25-08-1999<br>08-10-1998<br>01-05-2000 |
| GB 2197957                               | Α   | 02-06-1988       | NONE                                                                         |                                                                    |
| FR 2549954                               | Α   | 01-02-1985       | NONE                                                                         | ·                                                                  |